

APPENDIX F

ACRONYMS AND ABBREVIATIONS

AAS	Advanced Automation System (FAA)
ABCS	Army Battle Command System (Army)
AC	Active Component (DOD)
ACARS	ARINC Communication Addressing and Reporting System
ACE	Aviation Combat Element (USMC)
ACFP	Advanced Computer Flight Plan (AF)
ACP	Atmospheric Chemistry Program (DOE)
ACRIM	Active Cavity Radiometer Irradiance Monitor (NASA)
ACU	Acquisition Control Unit
ADAS	AWOS/ASOS Data Acquisition System (FAA)
ADEOS	Advanced Earth Observing System (Japan)
ADFC	Altimetry Data Fusion Center (Navy)
ADLP	Aeronautical Data Link Program (FAA)
ADWS	Automatic Digital Weather Switch (AF)
AESS	Allied Environmental Support System (Navy)
AF	Air Force (USAF)
AFB	Air Force Base
AFCCC	Air Force Combat Climatology Center
AFGWC	Air Force Global Weather Center
AFOS	Automation of Field Operations and Services (NOAA/NWS)
AFSS	Automated Flight Service Station (FAA)
AFWA	Air Force Weather Agency
AGFS	Aviation Gridded Forecast System (FAA)
AIP	Airport Improvement Program (FAA)
AIRMoN	Atmospheric Integrated Research Monitoring Network (NOAA/OAR)
AIRS	Atmospheric Infrared Sounder (NASA)
AL	Aeronomy Laboratory (NOAA/ERL)
ALDARS	Automated Lightning Detection and Reporting System (DOI)
ALDS	Automatic Lightning Detection System (DOI)
AMA	AWIS Meteorological Applications (OFCM)
AMC	Army Materiel Command (Army)
AMDAR	Automatic Meteorological Data and Reporting
AMOS	Automated Meteorological Observing System (Navy)
AMSR	Advanced Microwave Scanner Radiation (NASA)
AMSS	Automatic Meteorological Sensors System (Army)
AMSU	Advanced Microwave Sounding Unit
AMU	Applied Meteorology Unit (NASA)
ANC	Air Navigation Commission (ICAO)
ANG	Air National Guard
AOC	Aircraft Operations Center (NOAA)
AOML	Atlantic Oceanographic and Meteorological Laboratory (NOAA/ERL)
APT	Automatic Picture Transmission
ARAC	Atmospheric Release Advisory Capability (DOE)
ARG	Accident Response Group (DOE)
ARGOS	French Satellite Data Collection System
ARINC	Aeronautical Radio Incorporation
ARL	Army Research Laboratory (Army)/Air Resources Laboratory (NOAA)
ARM	Atmospheric Radiation Monitoring (DOE)
ARNG	Army National Guard

ARO	Army Research Office
ARS	Agricultural Research Service (USDA)
ARSPACE	Army Space Command
ARSR	Air Route Surveillance Radar (FAA)
ARTCC	Air Route Traffic Control Center (FAA)
ARTYMET	Artillery Meteorological (Army)
ASAP	Automatic Shipboard Aerological Program (WWP)
ASCOT	Atmospheric Studies in Complex Terrain (DOE)
ASDAR	Aircraft to Satellite Data Relay
ASOS	Automated Surface Observing System
ASR	Airport Surveillance Radar (FAA)
ASTER	Advanced Spaceborne Thermal Emission and Reflection Radiometer
ATC	Air Traffic Control (FAA)
ATCCS	Army Tactical Command and Control System
ATM	Asynchronous Transfer Mode
ATDD	Atmospheric Turbulence and Diffusion Division (NOAA/ARL)
AVAPS	Atmospheric Vertical Profiling System (AF)
AVHRR	Advanced Very High Resolution Radiometer (NOAA)
AVO	Alaskan Volcano Observatory (FAA)
AWARDS	Agricultural Water Resources Decision Support (DOI/BUREC)
AWC	Aviation Weather Center (NOAA/NCEP)
AWDS	Automated Weather Distribution System (AF)
AWE	Advance Warfighting Experiment (Army)
AWIPS	Advanced Weather Interactive Processing Systems (NOAA)
AWIS	Automated Weather Information Systems
AWN	Automated Weather Network (AF)
AWOS	Automated Weather Observing System (FAA)
AWS	Air Weather Service (AF)
BBS	Bulletin Board System
BE	Battlefield Environment (Army)
BED	Battlefield Environment Directorate (Army)
BOREAS	Boreal Ecosystem-Atmosphere Study (NASA)
BLM	Bureau of Land Management (DOI)
BUFR	Binary Universal Form for the Representation of Meteorological Data
BUREC	Bureau of Reclamation (DOI)
C2	Command and control (DOD)
C4I	Command, Control, Communications, Computer and Information (DOD)
CAAM	Computer Assisted Artillery Meteorology (Army)
CAP	Civil Air Patrol
CARDS	Comprehensive Aerological Reference Data Set (NOAA/NCDC)
CAWIS	Committee for Automated Weather Information Systems (OFCM)
CDA	Command and Data Acquisition
CDAS	Command and Data Acquisition Station
CDCL	Climate Diagnostics Center Laboratory (NOAA/ERL)
CDFS	Cloud Depiction and Forecast System (AF)
CDMS	Centralized Data Management System (AF)
CDR	Critical Design Review
CECOM	Communications and Electronics Command (Army)
CEMSCS	Central Environmental Satellite Computer System (NOAA/NESDIS)
CENR	Committee on Environment and Natural Resources
CERES	Clouds and Earth's Radiant Energy System (NASA)

CFEP	Communications Front-End Processor (AF)
CGCP	Climate and Global Change Program (NOAA)
CHANCES	Climatological and Historical Analysis of Clouds for Environmental Simulations (AF)
CHAMMP	Computer Hardware Advanced Mathematics and Model Physics (DOE)
CIDE	Communications Interfaces and Data Exchange (OFCM)
CINC	Commanders-in-Chief (DOD)
CIRA	Cooperative Institute for Research in the Atmosphere (NOAA)
CMDL	Climate Monitoring and Diagnostics Laboratory (NOAA/ERL)
COADS	Comprehensive Ocean-Atmosphere Data Set (NOAA/NCDC)
COAMPS	Coupled Oceanographic and Atmospheric Model (Navy)
COARE	Coupled Ocean-Atmosphere Response Experiment
COE	Corps of Engineers (Army)
COMEDS	CONUS Meteorological Data System (AF)
COMET	Cooperative Program for Operational Meteorology, Education and Training
CONUS	Continental United States
COPC	Committee for Operational Processing Centers (OFCM)
COTS	Commercial Off-the-Shelf
CPC	Climate Prediction Center (NOAA/NCEP)
CRREL	Cold Regions Research and Engineering Laboratory (Army)
CRSP	Commercial Remote Sensing Program (NASA)
CS	Climate Services (OFCM)
CSA	Chief of Staff of the Army
CSREES	Cooperative State Research, Education, and Extensive Service (USDA)
CWSU	Center Weather Service Unit (FAA)
CY	Calendar Year
DCP	Data Collection Package
DCS	Data Collection System (NOAA/NESDIS)
DDN	Defense Data Network
DF	direction finder
DISS	Digital Ionospheric Sounding System (AF)
DLP	Data Link Processor (FAA)
DMSO	Defense Modeling and Simulation Office (AF)
DMSP	Defense Meteorological Satellite Program (AF)
DOC	Department of Commerce
DOD	Department of Defense
DOE	Department of Energy
DOI	Department of Interior
DOMSAT	Domestic Communications Satellite
DOS	Department of State
DOT	Department of Transportation
DPS	Distributed Processing System
DRGS	Direct readout ground stations (DOI)
DRWP	Doppler Radar Wind Profiler (NASA)
DTR	Diurnal Temperature Range
DTSS	Digital Topographic Support System (Army)
DUAT	Direct User Access Terminal (FAA)
E2DIS	Environmental Effects for Distribution Interactive Simulation (AF)
EDIS	Environmental Data and Information Service (NOAA)
EMC	Environmental Modeling Center (NOAA/NCEP)
ENSO	El Niño-Southern Oscillation
EO	electro-optical

EOS	Earth Observing System (NASA)
EOSDIS	EOS Data and Information System (NASA)
EOSP	Earth Observing Scanning Polarimeter (NASA)
EOTDA	electro-optical tactical decision aid (AF)
EPA	Environmental Protection Agency
ERB	Earth Radiation Budget
ERC	Extended Research Checkout
ERL	Environmental Research Laboratories (NOAA)
ESD/IPC	Environmental Satellite Distribution/Interactive Processing Center
ESSP	Earth System Science Pathfinders (NASA)
ETL	Environmental Technology Laboratory (NOAA/ERL)
ETM+	Enhanced Thematic Mapper Plus (NASA)
EUMETSAT	European Organization for the Exploitation of Meteorological Satellites
EUSA	Eighth U.S. Army
EUV	Extreme Ultraviolet
EXCIMS	Executive Council for Modeling and Simulation
FAA	Federal Aviation Administration
FALOP	Forward Areal Limited Observing Program (DOD/USAF)
FCMSSR	Federal Committee for Meteorological Services and Supporting Research
FEMA	Federal Emergency Management Agency
FHWA	Federal Highway Administration
FMF	Fleet Marine Force
FMH	Federal Meteorological Handbook (OFCM)
FNMOC	Fleet Numerical Meteorology and Oceanography Center (Navy)
FOSDIC	Film Optical Sensing Device for Input to Computer
FORSCOM	U.S. Army Forces Command
FRD	Field Research Division (NOAA/ARL)
FRERP	Federal Radiological Emergency Response Plan (DOE)
FRMAC	Federal Radiological Monitoring and Assessment Center (DOE)
FS	Forest Service (USDA)
FSAS	Flight Service Automation System (FAA)
FSDPS	Flight Service Data Processing System (FAA)
FSL	Forecast Systems Laboratory (NOAA/ERL)
FTE	Full-time Equivalent
FTP	File Transfer Protocol
FSS	Flight Service Station (FAA)
FU	Forecast Unit
FY	fiscal year
G-IV	Gulfstream IV (NOAA)
GAC	Global Area Coverage
GAO	General Accounting Office
GCCS	Global Command and Control System
GCIP	GEWEX Continental-scale International Project (DOI)
GCOS	Global Climate Observing System
GCPS	Global Climate Perspectives System
GCRP	Global Change Research Program
GDPS	Global Data Processing System (WWP)
GEOSAR	Geostationary Earth Orbit Search and Rescue (NOAA/NESDIS)
GEWEX	Global Energy and Water-Balance Experiment
GFDL	Geophysical Fluid Dynamics Laboratory (NOAA/ERL)

GFMPPL	Geophysical Fleet Mission Program Library (Navy)
GHCN	Global Historical Climatology Network
GIN	Geomagnetic Information Nodes (DOI)
GIS	Geographic Information System
GISS	Goddard Institute for Space Studies (NASA)
GMS	Geostationary Meteorological Satellite (Japan)
GODAR	Global Oceanographic Data Archaeology and Rescue
GOES	Geostationary Operational Environmental Satellite (NOAA)
GOS	Global Observing System (WWP)
GPCP	Global Precipitation Climatology Program
GPS	Global Positioning System
GPS/MET	GPS for Meteorology
GRIB	Gridded Binary (FM 92-X Ext.)
GSAS	Geostationary Satellite Archive System (NOAA/NESDIS)
GSFC	Goddard Space Flight Center (NASA)
GTS	Global Telecommunications System (WWP)
GTSP	Global Temperature-Salinity Pilot Project
GTWAPS	Global Theater Weather Analysis and Prediction System (AF)
GWDS	Graphics Weather Displays Systems (FAA)
HDSS	Hierarchical Data Storage System
HELSTF	High Energy Laser System Test Facility (Army)
HF	high frequency
HFRB	high frequency radio broadcast
HIRS/2	High-resolution Infrared Sounder (NOAA/NESDIS)
HMMWV	High Mobility Multi-purpose Wheeled Vehicle (Army)
HPC	Hydrometeorological Prediction Center (NOAA/NCEP)
HPCC	High Performance Computing and Communications
HRD	Hurricane Research Division (NOAA/ERL)
HRPT	High Resolution Picture Transmission (NOAA/NESDIS)
IAMS	Initial Attack Management System (DOI)
ICAO	International Civil Aviation Organization
ICMSSR	Interdepartmental Committee for Meteorological Services and Supporting Research
ICSU	International Council of Scientific Unions
IEW	Intelligence and Electronic Warfare (Army)
IFM	Ionospheric Forecast Model (AF)
IHC	Interdepartmental Hurricane Conference (OFCM)
IIP	International Ice Patrol (USCG)
IITA	Information Infrastructure Technology and Applications (NASA)
IMDES	Interdepartmental Meteorological Data Exchange System
IMETS	Integrated Meteorological System (Army)
IMOSS	Interim Mobile Oceanography Support System (Navy)
IMS	Ionospheric Measuring System (AF)
INEL	Idaho National Engineering Laboratory (DOE)
INSAT	India's Indian National Satellite (WWP)
IPACS	Integrated Polar Acquisition and Control Subsystem (NOAA/NESDIS)
IPCC	Intergovernmental Panel on Climate Change (WWP)
IPB	Intelligence Preparation of the Battlefield (Army)
IPO	Integrated Program Office
IR	infrared
IRAMSS	IREMBASS with AMSS (Army)
IREMBASS	Improved Remotely Monitored Battlefield Sensor System (Army)

ISCCP	International Satellite Cloud Climatology Program
ISIS	Integrated Solar Irradiance Study (NOAA)
ITS	Intelligent Transportation System (FHWA)
ITWS	Integrated Terminal Weather System (FAA)
IWEDA	Integrated Weather Effects Decision Aid (Army)
IWRS	Improved Weather Reconnaissance System
IWRPC	Improved Weather Reconnaissance System Program Council
J-TRWS	Joint TESS Remote Workstation (Navy)
JAG	Joint Action Group
JASL	Joint Archive for Sea Level
JAWOP	Joint Automated Weather Observation Program (OFCM)
JCRMOD	Joint Center for Research in the Management of Ocean Data
JEDA	Joint Environmental Data Analysis
JGOFS	Joint Global Ocean Flux Study
JMCIS	Joint Maritime Command Information system (USMC)
JMFU	Joint METOC Forecast Unit
JMOC	Joint METOC Operations Center
JMS	Joint METOC Segment (Navy)
JMV	Joint METOC Viewer (Navy)
JPL	Joint Propulsion Laboratory (NASA)
JTWC	Joint Typhoon Warning Center (AF/Navy)
KM	Kilometer
KMR	Kwajalein Missile Range (Army)
KSC	Kennedy Space Center
LAC	Local Area Coverage
LAN	local area network
LCD	Local Climatological Data
LCM	life-cycle management
LDAR	Lightning Detection and Ranging (NASA)
LITE	Lidar In-space Technology Experiment (NASA)
LLNL	Lawrence Livermore National Laboratory (DOE)
LLWAS	Low Level Wind Shear Alert System (FAA)
LLWAS-NE	LLWAS-Network Expansion (FAA)
LOD2	Lightweight Omega Digital Dropwindsonde (AF)
LRGS	local readout ground stations (DOI)
MACOM	Major Army Command
MAGTF	Marine Air Ground Task Force
MAJCOM	Major Command (AF)
MAPS	Measurement of Air Pollution From Satellite (NASA)
MARD	Modernization and Associated Restructuring Demonstration (NOAA)
MC	Meteorological Codes
MCDW	Monthly Climate Data for the World
MCSST	Multichannel Sea Surface Temperature (Navy)
MDS	Meteorological Distribution System (Army)
MEPED	Medium Energy Proton and Electron Detector
MES	Marine Environmental Services (OFCM)
MET	Mobile Environmental Teams (Navy)
	Meteorological Teams (Army)
METAR	Aviation Route Weather Report
METMF(R)	Meteorological Mobile Facility (Replacement) (Navy)

METOC	Meteorological and Oceanographic (DOD)
MHG	Meteorological Hydrogen Generator (Army)
MHS	Microwave Humidity Sensor (NASA)
MIDDS	METOC Integrated Data Display System (Navy)
MIMR	Multifrequency Imaging Microwave Radiometer (NASA)
MISR	Multi-Angle Imaging Spectrometer (NASA)
MIST	Meteorological Information Standard Terminal (AF)
MME	Mobile Meteorological Equipment (OFCM)
MMS	Meteorological Measuring System (Army)
	Mineral Management Service (DOI)
MMW	Millimeter Wave (Army)
MPS	Meteorological Profiler System (Army)
MOA	Memorandum of Agreement
MO&DA	Mission Operations and Data Analysis (NASA)
MODIS	Moderate Resolution Imaging Spectrometer (NASA)
MOPITT	Measurement of Pollution in the Troposphere (NASA)
MOU	Memorandum of Understanding (Army)
MOSS	Mobile Oceanography Support System (Navy)
MRS	Miniature Rawinsonde System (Navy)
MS	Monitoring the Stratosphere (OFCM)
MSCP	Meteorological and Climate Services Project (DOE)
MSL	mean sea level
MSM	Magnetospheric Specification Model (AF)
MST	Meteorological Support Teams (USMC)
MSU	Microwave Sounding Unit
MTF	Model test facility
MTN	Main Telecommunications Network (WWP)
MTPE	Mission to Planet Earth (NASA)
MWP	Meteorologist's Weather Processor (FAA)
MWSS	Marine Wing Support Squadron
M1FC	Model 1 Full Capacity (FAA)
NADIN	National Airspace Data Interchange Network (FAA)
NAOS	North American Atmospheric Observing System (NOAA)
NARSTO	North American Research Strategy on Tropospheric Ozone (EPA)
NAS	National Airspace System (FAA)
NASA	National Aeronautics and Space Administration
NASS	National Agricultural Statistics Service (USDA)
NATCOM	National Communications Center (FAA)
NAVAF	Navy-Air Force
NAVICECEN	Naval Ice Center
NAVOCEANO	Naval Oceanographic Office
NAWPC	National Aviation Weather Program Council (OFCM)
NAWPP	National Aviation Weather Program Plan
NBC	Nuclear, Biological, and Chemical (Army)
NC	NOAA Corps Operations
NCAR	National Center for Atmospheric Research
NCDC	National Climatic Data Center (NOAA/NESDIS)
NCEP	National Center for Environmental Prediction (NOAA/NWS)
NCO	NCEP Central Operations (NOAA/NCEP)
NDBC	National Data Buoy Center (NOAA/NWS)
NDI	non-developmental item

NEMOC	Naval European Meteorology and Oceanography Center
NESDIS	National Environmental Satellite, Data, and Information Service (NOAA)
NESS	National Environmental Satellite Service (NOAA)
NEST	Nuclear Emergency Search Team (DOE)
NEXRAD	Next Generation Weather Radar (WSR-88D)
NFDRS	National Fire Danger Rating System (DOI/BLM)
NGDC	National Geophysical Data Center (NOAA/NESDIS)
NGIC	National Geomagnetic Information Center (DOI)
NHC	National Hurricane Center (NOAA/NWS)
NHOP	National Hurricane Operations Plan (OFCM)
NIC	National Ice Center (DOT/USCG)
NIFC	National Interagency Fire Center (DOI)
NITES	Naval Integrated Tactical Environmental Subsystem
NLMOC	Naval Atlantic Meteorology and Oceanography Center
NMC	National Meteorological Center(s) (WWP)
NMOC	Naval Meteorology and Oceanography Command
NMP	New Millenium Program (NASA)
NMTN	National Telecommunications Network (WWP)
NPMOC	Naval Pacific Meteorology and Oceanography Center
NOAA	National Oceanic and Atmospheric Administration
NODC	National Oceanographic Data Center (NOAA/NESDIS)
NODDES	Naval Oceanographic Data Distribution and Expansion System
NODDS	Naval Oceanographic Data Distribution System
NOGAPS	Navy Operational Global Atmospheric Prediction System
NOHRSC	National Operational Hydrological Remote Sensing Center (DOI)
NORAPS	Navy Operational Regional Atmospheric Prediction System
NOS	National Ocean Service (NOAA)
NOTAM	Notice to Airmen
NOWS	NVG Operations Weather Software (AF)
NPL	NOAAPORT Liaison (OFCM)
NPMOC	Naval Pacific Meteorology and Oceanography Center
NPOESS	National Polar-orbiting Operational Environmental Satellite System
NPS	National Park Service (DOI)
NRC	Nuclear Regulatory Commission
NRCS	Natural Resources Conservation Service (USDA)
NRL	Naval Research Laboratory
N-ROSS	Navy Remote Sensing Satellite
NSCAT	NASA Scatterometer (NASA)
NSF	National Science Foundation
NSIDC	National Snow and Ice Data Center
NSSFC	National Severe Storms Forecast Center (NOAA)
NSSL	National Severe Storms Laboratory (NOAA)
NSTC	National Science and Technology Council
NSWP	National Space Weather Program (OFCM)
NTCIP	National Transportation Communications for ITS Protocol (FHWA)
NTS	Nevada Test Site (DOE)
NTSB	National Transportation Safety Board
NV	Nevada Operations Office (DOE)
NVDS	NOAA Virtual Data System
NVG	night vision goggle (DOD)
NWLON	National Water-Level Observation Network (NOAA/NOS)
NWS	National Weather Service

OAML	Oceanographic and Atmospheric Master Library (Navy)
OAR	Office of Oceanic and Atmospheric Research (NOAA)
OASIS	Oceanographic and Atmospheric Support and Information System (Navy)/ Operational and Supportability Implementation System (FAA)
OCAP	Operating Consortium of ASDAR Participants (WWP)
ODCSINT	Office of the Deputy Chief of Staff for Intelligence (Army)
ODCSOPS	Office of the Deputy Chief of Staff for Operations (Army)
OFCM	Office of the Federal Coordinator for Meteorology
OGP	Office of Global Programs (NOAA)
OMB	Office of Management and Budget
ONR	Office of Naval Research
OPARS	Optimum Path Aircraft Routing System (Navy)
OR	Oak Ridge Operations Office (DOE)
ORA	Office of Research and Applications (NOAA/NESDIS)
ORD	Operational Requirements Documents (Navy)
ORAU	Oak Ridge Association Universities
OSDPD	Office of Satellite Data Processing and Distribution (NOAA/NESDIS)
OSF	Operational Support Facility
OSO	Office of Satellite Operations (NOAA/NESDIS)
OTW	Owning the Weather (Army)
OTIS	Optimum Thermal Interpolation System (Navy)
OTSR	Optimum Track Ship Routing (Navy)
OWSE	Operational World Weather Watch Systems Evaluation (WWP)
P3I	Preplanned Product Improvement
PACS	Polar Acquisition and Control Subsystem
PC	Program Council (OFCM)
PCGRAFAX	PC-based High Frequency Facsimile System (Navy)
PCMDI	Program for climate Model Diagnosis and Intercomparison (DOE)
PD	Project Director (Army)
PICS	PC Imaging Communications System (Navy)
PIREP	Pilot Report
PL/GP	Phillips Laboratory, Geophysics Directorate (DOD/AFSC)
PMC	Program Management Committee (NOAA)
PMEL	Pacific Marine Environmental Laboratory (NOAA/ERL)
PNL	Pacific Northwest Laboratories (DOE)
POM	Princeton Ocean Model (Navy)
POPS	Primary Oceanographic Prediction System (Navy)
PORTS	Physical Oceanographic Real-Time System (NOAA/NOS)
PRC	Peoples Republic of China
PRECP	Processing of Emissions by Clouds and Precipitation (DOE)
PSDA	Post-Storm Data Acquisition (OFCM)
PUP	Principal User Processor
PW	Precipitable water
R&A	Research and Analysis
R&D	Research and Development
RAFC	Regional Area Forecast Center (WWP)
RAMDIS	RAMM Branch Advanced Meteorological Satellite Demonstration and Interpretation System (NASA)
RAP	Radiological Assistance Program (DOE)
RASS	Radio Acoustic Sounding System

RAWS	Remote Automatic Weather Station (USDA/DOI)
RC	Reserve Component (DOD)
RDTE	Research and Development, Test and Evaluation (Army)
RFC	River Forecast Center (NOAA/NWS)
RFO	Rocky Flats Office (DOE)
RMTN	Regional Telecommunications Network (WWP)
RMWS	Remote Miniature Weather Sensor (Army)
RSMC	Regional/Specialized Meteorological Centers (WWP)
RTH	Regional Telecommunications Hub (WWP)
RUC	Rapid Update Cycle (NOAA)
RVR	Runway Visual Range (FAA)
SAA	Satellite Active Archive
	Snow Accumulation Algorithm (DOI/BLM)
SAMS	Surface Automated Meteorological System
SARSAT	Search and Rescue Satellite Aided Tracking
SATCOM	Satellite Communications System (NOAA)
SBUV	Solar Backscatter Ultraviolet Instrument (NOAA/NESDIS)
SCAR	Smoke, Clouds, and Radiation (NASA)
SDHS	Satellite Data Handling System (AF)
SEC	Space Environmental Center (NOAA/NCEP)
SELDADS	Space Environmental Laboratory Data Acquisition and Display System (NOAA)
SEM	Space Environment Monitor (NOAA)
SEON	Solar Electro-Optical Network (AF)
SERCAA	Support of Environmental Requirements Cloud Analysis and Archive (AF)
SERDP	Strategic Environmental Research and Development Program (AF)
SETT	Space Environmental Technology Transition (AF)
SEU	Single event upsets
SFDF	Satellite Field Distribution Facility (NOAA/NWS)
SFMR	Stepped Frequency Microwave Radiometer
SIR-C	Shuttle Imaging Radar-C (NASA)
SMOOS	Shipboard Meteorological and Oceanographic Observing Sensor (Navy)
SMS	Semi-Automatic Meteorological Station (Army)
SNOTEL	Snow Telemetry
SOCC	Satellite Operations Control Center (NOAA/NESDIS)
SOF	Special Operations Forces
SORD	Special Operations and Research Division (NOAA/ARL)
SPAWARS	Space and Naval Warfare Systems Command
SPC	Storm Prediction Center (NOAA/NCEP)
SPECI	Aviation Selected Special Weather Report
SPOSC	Shared Processing Operations Steering Committee
SR	Savannah River (DOE)
SRBL	Solar Radio Burst Locator (AF)
SRDC	Surface Reference Data Center (NOAA/NESDIS)
SSDC	Space and Strategic Defense Command (Army)
SSM/I	Special Sensor Microwave (NASA)
SRS	Savannah River Site (DOE)
SSU	Stratospheric Sounding Unit (NOAA)
STIWG	Satellite Telemetry Interagency Working Group (OFCM)
STT	Small Tactical Terminal (AF)
SWIM	Solar Wind Interplanetary Measurements (AF)
SWO	Staff weather officer
SXI	Solar X-Ray Imager (AF)

T ²	Technology transfer
TAF	Aerodrome Forecast
TAMSS	Target Area Meteorological Sensor System (Army)
TAO	Tropical Atmosphere Ocean
TACWX	Tactical weather (DOD)
TDA	Tactical Decision Aid (Army)
TDWR	Terminal Doppler Weather Radar (FAA)
TEC	Topographic Engineering Center (Army)
TECOM	Test and Evaluation Command (Army)
TED	Total Electron Detector
TESS	Tactical Environmental Support System (Navy)
TF	Terminal Forecast
TIROS	Television Infrared Observation Satellite (NOAA/NESDIS)
TMI	TRMM Microwave Imager (NASA)
TOE	Table of Organization and Equipment (Army)
TOGA	Tropical Ocean and Global Atmosphere
TOMS	Total Ozone Mapping Spectrometer (NASA)
TOVS	TIROS N Operational Vertical Sounder (NOAA/NESDIS)
TPC	Tropical Prediction Center (NOAA/NCEP)
TRACON	Terminal Radar Approach Control (FAA)
TRADOC	Training and Doctrine Command (Army)
TRB	Test Review Board
TRMM	Tropical Rainfall Measuring Mission (NASA)
TWR	Tactical Weather Radar (AF)
UARS	Upper Atmosphere Research Satellite (NASA)
UAV	unmanned/uncrewed aerial vehicle (Army/NASA)
UCAR	University Corporation for Atmospheric Research
UN	United Nations
UNEP	United Nations Environment Program (WWP)
URI	University Research Institute (Army)
USA	U.S. Army
USAF	U.S. Air Force
USAFAS	U.S. Army Field Artillery School
USAIC	U.S. Army Intelligence Center
USAIC&FH	U.S. Army Intelligence Center & Fort Huachuca
USAKA	U.S. Army Kwajalein Atoll
USAR	U.S. Army Reserve
USAREUR	U.S. Army, Europe
USARPAC	U.S. Army, Pacific
USARSO	U.S. Army, South (Army)
USASSDC	U.S. Army Space and Strategic Defense Command
USASOC	U.S. Army Special Operations Command
USCG	U.S. Coast Guard
USDA	U.S. Department of Agriculture
USGS	U.S. Geological Survey
USHCN	U.S. Historical Climatology Network
USIABP	U.S. Interagency Arctic Buoy Program
USMC	U.S. Marine Corps
USN	U.S. Navy
USWRP	U.S. Weather Research Program
UTC	Coordinated Universal Time (Zulu)

VA	Volcanic Ash
VAAC	Volcanic Ash Alerting Center (FAA)
VAS	VISSR Atmospheric Sounder
VCI/TCI	Vegetation and Temperature Condition Indices
VCP	Voluntary Cooperation Program
VIRS	Visible and Infrared Scanner (NASA)
VISSR	Visible and Infrared Spin Scan Radiometer
VORTEX	Verification of the Origins of Rotation Experiment
VOS	Voluntary Observing Ship (WWP)
WAFC	World Area Forecast Center (WWP)
WAFS	World Area Forecast System (WWP)
WAM	Wave model (Navy)
WAOB	World Agricultural Outlook Board (USDA)
WARP	Weather and Radar Processor (FAA)
WDC	World Data Center (WWP)
WEFAX	Weather Facsimile
WES	Waterways Experiment Station (Army)
WETM	Weather Team (DOD)
WFO	Weather Forecast Office (NOAA/NWS)
WG	Working Group
WIDA	Weather Impact Decision Aids (AF)
WMC	World Meteorological Center(s) (WWP)
WMO	World Meteorological Organization
WMSCR	Weather Message Switching Center-Replacement (FAA)
WOCE	World Ocean Circulation Experiment
WPDN	Wind Profile Demonstration Network (NOAA)
WSC	Warfighting Support Center (Navy)
WSFO	Weather Service Forecast Office (NOAA/NWS)
WSMO	Weather Service Meteorological Office (NOAA/NWS)
WSMR	White Sands Missile Range (Army)
WSO	Weather Service Office (NOAA/NWS)
WSP	Weather Systems Processor (FAA)
WSR-88D	Weather Surveillance Radar-1988 Doppler (NEXRAD)
WSU	Weather Support Unit
WWP	World Weather Program
WWW	World Weather Watch (WMO); World wide web